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September 25, 2003

#2
SI
10-0203

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Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Art Unit 2661

RECEIVED

SEP 26 2003

Technology Center 2600

Re: U.S. Utility Patent Application
Appl. No. 10/032,100; Filed: December 31, 2001
For: **Packet Tag for Support of Remote
Network Function/Packet Classification**
Inventors: GRAND *et al.*
Our Ref: 1875.0700005

Sir:

Transmitted herewith for appropriate action are the following documents;;

1. Information Disclosure Statement (IDS);
2. List of cited documents on Form PTO-1449 (3 sheets);
3. A copy of each document cited on Form PTO-1449 (9 documents: **AR1-AT3**); and
4. One (1) return postcard.

It is respectfully requested that the attached postcard be stamped with the date of filing of these documents, and that it be returned to our courier. In the event that extensions of time are necessary to prevent abandonment of this patent application, then such extensions of time are hereby petitioned.

Commissioner for Patents
September 25, 2003
Page 2

The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 19-0036.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.



Edward W. Yee
Attorney for Applicants
Registration No. 47,294

RES/EWY/acr
Enclosures

SKGF_DC1:181413.1



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

GRAND *et al.*

Appl. No. 10/032,100

Filed: December 31, 2001

For: **Packet Tag for Support of Remote
Network Function/Packet
Classification**

Confirmation No. 5880

Art Unit: 2661

Examiner: *To Be Assigned*

Atty. Docket: 1875.0700005

Information Disclosure Statement

RECEIVED

SEP 26 2003

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Technology Center 2600

Sir:

Listed on accompanying Form PTO-1449 are documents that may be considered material to the examination of this application, in compliance with the duty of disclosure requirements of 37 C.F.R. §§ 1.56, 1.97 and 1.98.

Applicants have listed publication dates on the attached PTO-1449 based on information presently available to the undersigned. However, the listed publication dates should not be construed as an admission that the information was actually published on the date indicated.

Applicants reserve the right to establish the patentability of the claimed invention over any of the information provided herewith, and/or to prove that this information may not be prior art, and/or to prove that this information may not be enabling for the teachings purportedly offered.

This statement should not be construed as a representation that a search has been made, or that information more material to the examination of the present patent application

does not exist. The Examiner is specifically requested not to rely solely on the material submitted herewith.

Applicants have checked the appropriate boxes below.

- ☐ 1. Statement under 37 C.F.R. 1.704(d). Each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart application and this communication was not received by any individual designated in 37 C.F.R. § 1.56(c) more than thirty days prior to the filing of this information disclosure statement.
- ☒ 2. Filing under 37 C.F.R. § 1.97((b). This Information Disclosure Statement is being filed within three months of the date of filing of a national application other than a continued prosecution application (CPA), OR within three months of the date of entry of the national stage as set forth in 37 C.F.R. § 1.491 in an international application, OR before the mailing date of a first Office Action on the merits OR before the mailing of a first Office Action after the filing of a request for continued examination under 37 C.F.R. § 1.114. No statement or fee is required.
- ☐ 3. Filing under 37 C.F.R. § 1.97(c). This Information Disclosure Statement is being filed more than three months after the U.S. filing date AND after the mailing date of the first Office Action on the merits, but before the mailing date of a Final Rejection, or Notice of Allowance, or an action that otherwise closes prosecution in the application.
 - ☐ a. Statement under 37 C.F.R. § 1.97(e)(1). I hereby state that each item of information contained in this Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement. 37 C.F.R. § 1.97(e)(1).

- ☐ b. Statement under 37 C.F.R. § 1.97(e)(2). I hereby state that no item of information in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application and, to my knowledge after making reasonable inquiry, was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing of this Information Disclosure Statement. 37 C.F.R. § 1.97(e)(2).
- ☐ c. Attached is our PTO-2038 Credit Card Payment Form **[OR]** Check No. _____ in the amount of \$ _____ in payment of the fee under 37 C.F.R. § 1.17(p).
- ☐ 4. Filing under 37 C.F.R. § 1.97(d) This Information Disclosure Statement is being filed more than three months after the U.S. filing date and after the mailing date of a Final Rejection or Notice of Allowance, but before payment of the Issue Fee. Enclosed find our Check No. _____ in the amount of \$ _____ in payment of the fee under 37 C.F.R. § 1.17(p); in addition:
 - ☐ a. Statement under 37 C.F.R. § 1.97(e)(1). I hereby state that each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement. 37 C.F.R. § 1.97(e)(1).
 - ☐ b. Statement under 37 C.F.R. § 1.97(e)(2). I hereby state that no item of information in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application and, to my knowledge after making reasonable inquiry, was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing of this Information Disclosure Statement. 37 C.F.R. § 1.97(e)(2).
- ☒ 5. The documents were cited in a search report by a foreign patent office in a counterpart foreign application. Submission of an English language version of the search report that indicates the degree of relevance found by the

foreign office is provided in satisfaction of the requirement for a concise explanation of relevance. 1138 OG 37, 38.

- ☐ 6. A concise explanation of the relevance of the non-English language document(s) appears below:
- ☐ 7. Copies of the documents were cited by or submitted to the Office in an IDS that complies with 37 C.F.R. § 1.98(a)-(c) in Application No. _____, filed _____, which is relied upon for an earlier filing date under 35 U.S.C. § 120. Thus, copies of these documents are not attached. 37 C.F.R. § 1.98(d).

It is respectfully requested that the Examiner initial and return a copy of the enclosed PTO-1449, and indicate in the official file wrapper of this patent application that the documents have been considered.

The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 19-0036.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.

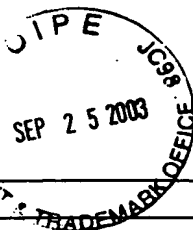


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FORM PTO-1449

INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO.
1875.0700005

APPLICATION NO.
10/032,100

APPLICANT
GRAND *et al.*

FILING DATE
December 31, 2001

GROUP
2661

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
	AA1						
	AB1						
	AC1						
	AD1						
	AE1						
	AF1						
	AG1						
	AH1						
	AI1						
	AJ1						
	AK1						

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL1						Yes No
	AM1						Yes No
	AN1						Yes No
	AO1						Yes No
	AP1						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	<u>AR</u>	1	"BCM3300 QAMLink® Single-Chip DOCSIS Cable Modem" [online], BCM3300 Product Brief, Broadcom Corporation (1999) [retrieved on 2003-06-25]. Retrieved from the Internet: <URL: http://www.broadcom.com/products/3300.html > (2 pages).
	<u>AS</u>	1	"BCM3310 QAMLink® Communications Processor" [online], BCM3310 Product Brief, Broadcom Corporation (1999) [retrieved on 2003-06-25]. Retrieved from the Internet: <URL: http://www.broadcom.com/products/3310.html > (2 pages).
	<u>AT</u>	1	"BCM3300 QAMLink® Single-Chip DOCSIS/EURODOCSIS Cable Modem" [online], BCM3300 Product Brief, Broadcom Corporation (2003) [retrieved on 2003-09-25]. Retrieved from the Internet: <URL: http://www.broadcom.com/products/3300.html > (2 pages).

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.



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	AA2						
	AB2						
	AC2						
	AD2						
	AE2						
	AF2						
	AG2						
	AH2						
	AI2						
	AJ2						
	AK2						

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	AL2						Yes No
	AM2						Yes No
	AN2						Yes No
	AO2						Yes No
	AP2						Yes No

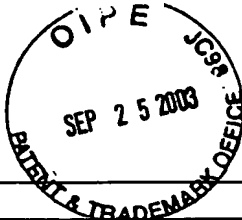
OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	2	"BCM3310 QAMLink® Communications Processor" [online], BCM3310 Product Brief, Broadcom Corporation (2003) [retrieved on 2003-09-25]. Retrieved from the Internet: <URL: http://www.broadcom.com/products/3310.html > (2 pages).
	AS	2	"Radio Frequency Interface Specification SP-RFIV1.1-105-000714" [online], Data-Over-Cable Service Interface Specifications, Cable Television Laboratories (2000-07-14) [retrieved on 2002-03-20]. Retrieved from the Internet: <URL: http://www.docsis.org/docs/SP-RFIV1.1-105-000714.pdf > (page 171, paragraph 8.4; page 178, last paragraph: figures 8-11, 8-12, 8-13, 8-14, and 8-15).
	AT	2	Goldberg, L., "MCNS/DOCSIS MAC Clears a Path for the Cable-Modem Invasion," <i>Electronic Design</i> 45:69-70, 74, 78, and 80, Penton Publishing (1997-12-01).

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	AF3						
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	AK3						

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	AL3						Yes No
	AM3						Yes No
	AN3						Yes No
	AO3						Yes No
	AP3						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

AR	<u>3</u>	Sumner, M., "DOCSIS 1.1 Overview" [online], Cable Labs (1999-05-03) [retrieved on 2001-04-18]. Retrieved from the Internet: <URL: http://www.cablemodem.com/Euroll_Overview.pdf > (16 pages).
AS	<u>3</u>	Quigley, T.J., "Cablemodem Standards for Advanced Quality of Service Deployments," <i>Consumer Electronics</i> pp. 282-283, ICCE (1999-06-22).
AT	<u>3</u>	European Search Report for European Application No. 02250218.1, Issued on August 7, 2003.

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